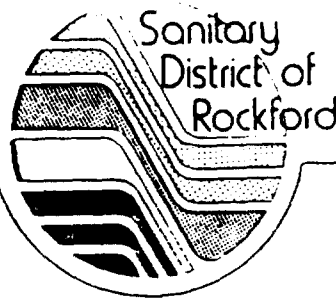


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3333 Kishwaukee Street · P. O. Box 918 · Rockford, IL 61105 · 397-9700

October 10, 1980

Dr. William J. Foristal
Manager, Environmental Business Development
Raltech Scientific Services, Inc.
3301 Kinsman Blvd.
Madison, Wisconsin 53704

Dear Dr. Foristal:


We are sending you a sample of Pagel Pit leachate for the EP
Toxicity Test as described in the Federal Register, May 19, 1980.

Please find enclosed, a purchase order in the amount of \$455.00.

We are looking forward to having the results back by or before early
November.

Thank you, I remain,

Sincerely Yours,


Violet Chen
Chief Chemist

VC/nrp

cc: J. Olson
File

Enclosure

TRUSTEES

Robert B. Stringer, President
William C. Geissman, Vice President
Clifford A. Nelson, Clerk/Treasurer
Arthur W. Anderson, Trustee
George Jackson, Trustee

Jon L. Olson, District Director

H. Emmett Folgate, Attorney

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A Division of Ralston Purina Company

Other Raltech Scientific Services Laboratories:
St. Louis MO
Gray Summit MO

REPORT

VIOLET CHEN
SANITARY DISTRICT OF ROCKFORD
WASTE TREATMENT PLANT
3333 KISWAUKEE STREET
ROCKFORD, IL 61105

RT LAB NO. 811657

ENTERED 10/18/80

REPORTED 11/05/80

PAGEL PIT LEACHATE

PURCHASE ORDER NUMBER 27443

ASSAY	ANALYSIS	UNITS
BARIUM	0.862	MG/L
CADMIUM	0.044	MG/L
	0.044	MG/L
	ASSAYED IN DUPLICATE	
CHROMIUM	0.421	MG/L
LEAD	0.319	MG/L
MERCURY	LESS THAN 0.0005 MG/L	
SELENIUM	6.00	MCG/L
ARSENIC	38.0	MCG/L
SILVER	1.00	MCG/L

CHLOR. PESTICIDES

	(MCG/L)
DDE	*
DDD	*
DDT	*
PCB	3.27
DIELDRIN	LESS THAN 0.05
BHC	LESS THAN 0.01
LINDANE	LESS THAN 0.01
HCB	LESS THAN 0.01
ENDRIN	LESS THAN 0.05
H. E.	LESS THAN 0.01



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MAY 01 1984

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PAGEL PIT LEACHATE

CHLOR. PESTICIDES (CONTINUED)

MIREX	LESS THAN 0.05
TOXAPHENE	LESS THAN 1.0
METHOXYCHLOR	LESS THAN 0.05
* UNABLE TO CALCULATE DUE TO PCB INTERFERENCE.	

NO OTHER CHLORINATED INSECTICIDES DETECTED

PHENOXY ACIDS

2,4-D	19.5 MCG/L
SILVEX	10.0 MCG/L
2,4,5-T	LESS THAN 0.50 MCG/L

METHOD REFERENCES

BARIUM

PERKIN-ELMER, ANALYTICAL METHODS FOR ATOMIC ABSORPTION SPECTROPHOTOMETRY, NORWALK, CN, SEPTEMBER 1976.

METHODS FOR CHEMICAL ANALYSIS OF WATERS AND WASTES (1979), METALS 1-19 AND METHOD 208.1, U.S. EPA, CINCINNATI, OHIO.

CADMIUM

PERKIN-ELMER, ANALYTICAL METHODS FOR ATOMIC ABSORPTION SPECTROPHOTOMETRY, NORWALK, CN, SEPTEMBER 1976.

METHODS FOR CHEMICAL ANALYSIS OF WATERS AND WASTES (1979), METALS 1-19 AND METHOD 213.1, U.S. EPA, CINCINNATI, OHIO.

CHROMIUM

PERKIN-ELMER, ANALYTICAL METHODS FOR ATOMIC ABSORPTION SPECTROPHOTOMETRY, NORWALK, CN, SEPTEMBER 1976.

METHODS FOR CHEMICAL ANALYSIS OF WATERS AND WASTES (1979), METALS 1-19 AND METHOD 218.1, U.S. EPA, CINCINNATI, OHIO.

LEAD

OFFICIAL METHODS OF ANALYSIS (1980) 13TH EDITION, METHODS 25.068-25.073, AOAC, WASHINGTON, D.C. (SAMPLES WITH LESS THAN 4.00 PPM LEAD).

OFFICIAL METHODS OF ANALYSIS (1980) 13TH EDITION, METHODS 25.083-25.088, AOAC, WASHINGTON, D.C. (SAMPLES WITH GREATER THAN 4.00 PPM LEAD).

MERCURY

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES (1979), METHODS 245.1 AND 245.2, U.S. EPA, CINCINNATI, OHIO.

SELENIUM

MARTIN, T. D., KOPP, J. F. AND EDIGER, R. D., ATOMIC ABSORPTION NEWSLETTER, VOL. 14 NO. 5, PP. 109-113.



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PAGEL PIT LEACHATE

METHOD REFERENCES

----- SELENIUM (CONTINUED)

MARCH 1977.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES (1979), METALS 1-19 AND
METHOD 270.2, U.S. EPA, CINCINNATI, OHIO.

ARSENIC

MANUAL OF METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, (1974), 2ND
EDITION, STORET NO. TOTAL 01002, E.P.A. CINCINNATI, OHIO

SILVER

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES (1979), METALS 1-19 AND
METHOD 272.2, U.S. EPA, CINCINNATI, OHIO.

PERKIN-ELMER, ANALYTICAL METHODS USING THE HGA GRAPHITE FURNACE, NORWALK, CN.,
MARCH 1977.

CHLOR. PESTICIDES

FWPCA METHODS FOR CHLORINATED HYDROCARBON PESTICIDES IN WATER AND WASTEWATER
(APRIL 1969).

PHENOXY ACIDS

FEDERAL REGISTER, VOL. 38, NO. 75, PART II (1973)

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MAY 01 1984

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STATE OF ILLINOIS